RED OAK CITY LANDFILL

IOWA

EPA ID# IAD980632509

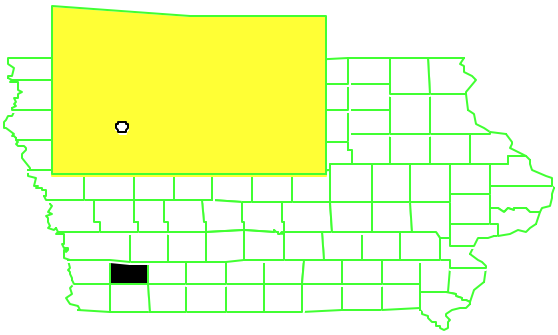
EPA Region 7

City: 1 mile northwest of Red Oak

County: Montgomery County

Other Names: Union Carbide Disposal

08/27/2002



SITE DESCRIPTION

The 40-acre Red Oak City Landfill site is an inactive landfill located within an old limestone quarry in a rural setting. Of the 40 acres, 20 acres were used for disposal. The landfill is bounded on the west by Parkwest Road, now G Avenue, and on the east by the East Nishnabotna River. Quarrying activities at the site were conducted by strip mining from the late 1940s to the early 1960s. The City of Red Oak purchased the site property in 1962 and converted it into a municipal landfill. From 1962 until 1974, municipal waste and industrial waste that included hazardous substances were deposited in the landfill. There was a thin layer of soil covering the landfill and, at some points, waste materials, including 55-gallon drums, were exposed to the surface. The eastern portion of the landfill, adjacent to the East Nishnabotna River, was being eroded as a result of river bank undercutting and surface water runoff. Approximately 7,000 people located within 3 miles of the site depend on ground water as a source of drinking water. The nearest residence uses a private well located 1,800 feet away from the landfill. There are 250 people living within a 1-mile radius of the site.

Site Responsibility:

This site is being addressed through Federal and potentially responsible parties' actions.

NPL LISTING HISTORY

Proposed Date: 06/10/1986

Final Date: 03/31/1989

Deleted Date:

THREATS AND CONTAMINANTS

VOCs including toluene and xylene and heavy metals including chromium, lead, and barium from the landfilling practices have been detected in the soil, ground water, and surface water at low concentrations. The sediments near the landfill contain toluene. Ingestion of or direct contact with the contaminated ground water, surface water, soils or sediments could be hazardous. The landfill is situated in permeable soil, which increases the chances of the ground water becoming contaminated.

CLEANUP APPROACH

Response Action Status

Entire Site: The flood of 1993 caused significant soil erosion of the landfill banks adjacent to the river. In consideration of new information, EPA prepared an Explanation of Significant Differences (ESD) in January, 1996. Subsequently, EPA conducted negotiations with the Potentially Responsible Parties (PRPs) to implement the remedy pursuant to a Consent Decree. The PRPs included the City of Red Oak, local industries, and industries previously located in the community. Negotiations were completed in August, 1996, and in October, 1996 the Consent Decree was lodged. Pursuant to this Consent Decree, the PRPs have conducted and/or completed the following activities. In December 1996, the PRPs reimbursed the government for past costs and provided funding for future EPA oversight. A group of the PRPs conducted a streamlined remedial design and constructed a landfill cap at the site during the fall of 1997. Another group of PRPs will conduct the operation and maintenance activities upon successful completion and approval by EPA of the remedial action. The cap has been declared operational and placed under the responsibility of the O&M parties, while the slope has not yet been certified complete and is under the control of the construction parties.

Site Facts:

ENVIRONMENTAL PROGRESS

After placing the Red Oak Landfill site on the NPL, the EPA determined, after a preliminary assessment of site conditions, that no immediate actions were required while final site cleanup activities were being planned. Those final remedial activities were carried out. The landfill cap was installed, with diversion and drainage structures to control the precipitation falling on the landfill. The river bank slope was contoured and revegetated to prevent erosion. Access controls, in the form of fences and signs, were installed, and institutional controls were placed on the site. Ground water monitoring was instituted, and is being carried out semi-annually. A water well survey was completed of the immediate area of the site, showing no ground water users will be directly affected by the site.

SITE REPOSITORY

Red Oak Public Library
Second and Washington
Red Oak, IA 51566

Superfund Records Center
901 N. 5th St.
Kansas City, KS 66101
Mail Stop SUPR
(913)551-4038

REGIONAL CONTACTS

SITE MANAGER:	Bob Stewart
E-MAIL ADDRESS:	stewart.robert@epa.gov.
PHONE NUMBER:	(913) 551-7654
COMMUNITY INVOLVEMENT COORDINATOR:	Beckie Himes
PHONE NUMBER:	(913) 551-7003
E-MAIL ADDRESS:	himes.beckie@epa.gov
STATE CONTACT:	Robert Drustrup
PHONE NUMBER:	(515) 281-8900

MISCELLANEOUS INFORMATION

STATE:	IA
	07X4
CONGRESSIONAL DISTRICT:	04
EPA ORGANIZATION:	SFD-IANE/SUPR

MODIFICATIONS